

WHAT IS CLAIMED IS:

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1. A display control apparatus comprising:
  - input means for inputting an image signal;
  - judgement means for judging a resolution of the
  - 5 image signal;
  - detection means for detecting a change in the
  - image signal; and
  - interpolation means for adaptatively interpolating
  - the image signal in accordance with the judgement
  - 10 results by said judgement means and with the detection
  - results by said detection means.
2. An apparatus according to claim 1, wherein
- 15 said input means can selectively input either an image
- signal from a computer or an image signal of a
- television format.
3. An apparatus according to claim 2, further
- 20 comprising:
  - conversion means for converting the image signal
  - of the television format from a field unit signal into
  - a frame unit signal.
4. An apparatus according to claim 1, wherein
- 25 said interpolation means interpolates the image signal
- to have a horizontal resolution same as the horizontal
- resolution of a display device, if said detection means

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5 ~~device~~

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~~9.~~ A display control apparatus comprising:

input means for inputting an image signal;  
judgement means for judging a resolution of the  
image signal;

5 selection means for selecting either a first  
display mode or a second display mode to display the  
image signal on a display device; and

10 interpolation means for adaptatively interpolating  
the image signal in accordance with the judgement  
results by said judgement means and with the selection  
results by said selection means.

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10. An apparatus according to claim 9, wherein:  
the first display mode is a mode of interpolating  
the image signal to have a horizontal resolution same  
15 as the horizontal resolution of the display device and  
displaying the same image signal on a plurality of  
lines of the display device at the same time; and

the second display mode is a mode of interpolating  
the image signal to have horizontal and vertical  
20 resolutions same as the horizontal and vertical  
resolutions of the display device and displaying the  
image signal on the display device.

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25 11. An apparatus according to claim 9, wherein  
said judgement means judges a resolution in accordance  
with a sync signal contained in the image signal.

12. An apparatus according to claim 11, wherein said judgement means judges a resolution by measuring horizontal and vertical sync signals contained in the image signal.

13. A display control apparatus comprising:  
input means for selectively inputting either a computer input signal or a television input signal;  
judgement means for judging a resolution of the input signal; and  
interpolation means for adaptatively interpolating the input signal in accordance with the selection results by said input means and with the judgement results by said judgement means.

14. An apparatus according to claim 13, wherein said interpolation means interpolates the television signal to have a horizontal resolution same as the horizontal resolution of a display device, if said input means selects the television input signal, and interpolates the image signal to have horizontal and vertical resolutions same as the horizontal and vertical resolutions of the display device if said input means selects the computer input signal.

15. An apparatus according to claim 14, further comprising

control means for controlling to display the same input signal on a plurality of lines of the display device at the same time if the television input signal is selected.

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~~16.~~ An apparatus according to claim 13, wherein said judgement means judges a resolution in accordance with a sync signal contained in the image signal.

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~~17.~~ An apparatus according to claim 16, wherein said judgement means judges a resolution by measuring horizontal and vertical sync signals contained in the image signal.

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~~18.~~ An apparatus according to claim 13, further comprising:

conversion means for converting the television input signal from a field unit signal into a frame unit signal.

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~~19.~~ A display control method comprising the steps of:

inputting an image signal;

judging a resolution of the image signal;

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detecting a change in the image signal; and

adaptatively interpolating the image signal in accordance with the judgement results by said judgement

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means and with the detection results by said detection means.

5 ~~20.~~ A display control method comprising the steps of:

inputting an image signal;  
judging a resolution of the image signal;  
selecting either a first display mode or a second display mode to display the image signal on a display device; and  
10 adaptatively interpolating the image signal in accordance with the judgement results by said judgement means and with the selection results by said selection means.

15 ~~21.~~ A display control method comprising the steps of:

selectively inputting either a computer input signal or a television input signal;  
20 judging a resolution of the input signal; and  
adaptatively interpolating the input signal in accordance with the selection results by said input means and with the judgement results by said judgement means.

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